

1974

# Eighty-fifth Report of the Curricular Affairs Committee

University of Rhode Island Faculty Senate

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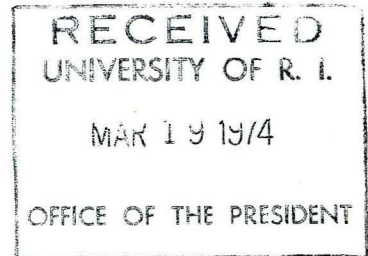
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Serial Number 74 73-73--31  
UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate



TO: Acting President Ferrante  
FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled Eighty-fifth Report of the Curricular  
Affairs Committee.

is forwarded for your consideration.

2. The original and two copies for your use are included.
3. This BILL was adopted by vote of the Faculty Senate on March 14, 1974  
(date)
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, completing the appropriate endorsement below.
5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on April 4, 1974 (date), three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

March 15, 1974  
(date)

Maurice Klein /s/  
Chairman of the Faculty Senate  
Maurice Klein

ENDORSEMENT 1.

TO: Chairman of the Faculty Senate  
FROM: President of the University

1. Returned. ☒
2. Approved ☒ Disapproved ☐
3. (If approved) In my opinion, transmittal to the Board of Regents is not necessary.

4/3/74  
(date)

Walter R. Ferrante /s/  
President

(OVER)

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

FROM: The University President

1. Forwarded.

2. Approved.

\_\_\_\_\_/s/  
(date) President

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ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Regents, via the University President.

1. Forwarded.

\_\_\_\_\_/s/  
(date) \_\_\_\_\_  
(Office)

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ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

1. Forwarded from the Chairman of the Board of Regents.

\_\_\_\_\_/s/  
(date) President

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Original received and forwarded to the Secretary of the Senate and Registrar for filing in the Archives of the University.

\_\_\_\_\_/s/  
(date) Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND  
Kingston, Rhode Island

February 28, 1974

Faculty Senate Curricular Affairs Committee Eighty-Fifth Report

At its meeting of February 18, 1974, the Faculty Senate Curricular Affairs Committee considered the following matters which are now submitted to the Faculty Senate.

S E C T I O N I

Informational Changes (including Experimental Courses):

A. College of Arts and Sciences

1. Department of Geography

a. CHANGE: Description and staff listing for the following courses:

- 1) GEG 404 Meteorology and Climatology II 11,3  
Continuation of GEG 403, with emphasis on applied aspects of meteorology and climatology. (Lec. 3) Prerequisite: GEG 403. Havens.
- 2) GEG 421 Introductory Cartography 1,3  
Principles and methods of map design and construction for geographic analysis. Emphasis is given to compilation, generalization, scaling and symbolizing quantitative and qualitative data. (Lec. 2, Lab 1) Krausse.
- 3) GEG 422 Advanced Cartography 11,3  
Advanced map construction, preparation of graphs and diagrams, and a final individual project. Applications of aerial photographs and other forms of imagery. Terrain representation models. (Lec. 2, Lab. 2) Prerequisite: GEG 421 or permission of department. Krausse.

b. CHANGE: Prerequisite, time, staff and/or alternate year listing for the following courses:

- 1) GEG 441 Geography of Europe 11,3  
(Lec. 3) Prerequisite: One GEG 100-level course or permission of department. In alternate years, next offered 1975-76. Krausse.
- 2) GEG 443 Geography of the United States and Canada 11,3  
(Lec. 3) Prerequisite: GEG 100 or permission of department. In alternate years, next offered 1974-75. Higbee.
- 3) GEG 446 Geography of the Polar Regions 11,3  
Prerequisite: Permission of department. In alternate years, next offered 1975-76. Havens.
- 4) GEG 452 Transportation Geography 11,3  
(Lec. 3) Prerequisite: One 100-level geography course or permission of department. In alternate years, next offered 1974-75. Capelle.

A. (Continued)

2. Department of History

History 110X Cape Verdean History 1, 3  
A study of the politics, society, economics, and culture of the Cape Verde Islands, presented from a Cape Verdean perspective. Bryan and Fortes.

3. Department of Journalism

JOR 301X The Minority Media S,3  
Journalistic and social factors in minority communications. Analysis of the Afro-American and other selected minority media with special attention to editorial techniques, roles, and peculiar problems. (Lec. 3) Prerequisite: Permission of department. Nwankwo.

4. Department of Mathematics

a. CHANGE: Description of MTH 451.

MTH 451 Introduction to Probability and Statistics 1,3  
Theoretical basis and fundamental tools of probability and statistics. Probability spaces, properties of probability, distributions, expectations. Some common distributions and elementary limit theorems. (Lec. 3) Prerequisite: MTH 243 or equivalent. Staff.

b. CHANGE: Description of MTH 452.

MTH 452 Mathematical Statistics 11,3  
Continuation of MTH 451 in the direction of statistics. Basic principles of statistical testing and estimation, linear regression and correlation. (Lec. 3) Prerequisite: MTH 451. Staff.

c. CHANGE: Content, title and description of MTH 471.

MTH 471 Introduction to Numerical Analysis I 1 and 11,3  
Interpolation, solution of nonlinear equations, numerical evaluation of integrals, special topics. (Lec. 3) Prerequisite: MTH 243, CSC 201 or equivalent, or permission of the instructor. Staff.

d. CHANGE: Content, title and description for MTH 472

MTH 472 Introduction to Numerical Analysis II 11,3  
Numerical solution of ordinary differential equations, systems of linear equations, least squares, approximation, special topics. (Lec.3) Prerequisite: MTH 243, CSC 201 or equivalent, or permission of the instructor. Staff.

5. Department of Military Science

a. MSC 230X Challenges in Leadership 1,1  
Designed to test and develop leadership ability in the student by placing him in situations which require exercise of judgement, making of decisions, and accomplishment of assigned goals requiring cooperation and teamwork. Instill self-confidence in the

## A. 5. a. (Continued)

student by placing him in new and different situations, which will challenge him physically and mentally. The student, after completion of the course, will better understand his capabilities and limitations both as a leader and as an individual. Staff.

- b. MSC 240X Introduction to Military Leadership 11,0  
Required of all Sophomore ROTC cadets. It will replace the present Leadership Lab given in conjunction with MSC 210 and MSC 220. The ROTC cadets will take it following their completion of the proposed experimental MSC 230X Challenges in Leadership. Bonner and Staff.

- c. MSC 160X Military in American Culture 11,1  
An examination and evaluation of the impact of the U.S. Military Establishment upon American culture. It will focus on the problem areas which the military faces in an environment of increasing military costs and increasing debate of the role of the military in American society. Opposing views will be presented to stimulate discussion. Shugart and Staff.

- d. MSC 140X World Military History 11,3  
Basic concepts of military history including an introduction to the principles of war, strategy, tactics, civil-military relations, and warfare in society from antiquity to the modern period will be presented. Emphasis will be placed on creating an understanding of the relationship of war as an institution to the societies of the historical period studied. Lessons of organization, technology, logistics, coalition warfare, professionalism, strategy, tactics, and development of military forces will be covered.

## 6. Department of Psychology.

PSY 289X Learning to Learn 11,1  
Open to University College students with severe academic difficulties. An attempt will be made to increase the chances of success for at risk students through an individualized study skills program. As part of participation in this course students will be administered a comprehensive battery of diagnostic tests to clarify the nature of their learning problem. This evaluation will be followed by a prescriptive recommendation forming part of the course of study in the ensuing weeks. Students will participate in the design and content development of this course. In the final week of the course students will be evaluated with respect to academic and skill development progress. Students will, in turn, evaluate the effectiveness of this course with respect to their own perception of improvement. Gross.

## 7. Departments of Theater and Education.

- a. THE/EDC 404X Improvisation and Theatre Games for the English Teacher 1,3  
A long-term workshop/lab designed for secondary level English teachers to help them introduce experiential learning techniques into their curricula. The activities will consist of actor-training and rehearsal techniques adapted to teach language arts, composition, drama, poetry, the novel and the short story. Time will be spent in developing specific



## A. 7. a. (Continued)

activities for the participants' particular needs. (Lab 12) Prerequisite: The course enrollment is limited to in-service teachers and graduate students planning teaching careers. Staff of the American Shakespeare Theatre in association with URI theatre staff.

- b. THE/EDC 406X Improvisation and Theatre Games in Education 1,3  
An exploration of experiential learning in all subject areas at all levels of development, using theatre-originated activities as the basic methodology. Emphasis will be placed upon the participants' experiences in building a community of learning, developing concentration skills and increasing both imagination and awareness. The objective will be to give educators both tools and understanding to develop learning activities for their students. (Lab 12) Prerequisite: The course enrollment is limited to in-service teachers and graduate students planning teaching careers. Staff of the American Shakespeare Theatre in association with URI theatre staff.

## 8. Department of Zoology

## a. CHANGE: Prerequisites of the following courses:

- 1) ZOO 315 Cells and Tissues 1,4  
Prerequisite: one semester of biology and one semester of chemistry.
- 2) ZOO 331 Parasitology 1,3  
Prerequisite: two semesters of biology.
- 3) ZOO 345 Basic Animal Physiology 1,3  
Prerequisite: one semester in natural science; ZOO 214 (314) and one semester in chemistry are recommended.
- 4) ZOO 354 Invertebrate Zoology 11,4  
Prerequisite: one semester in zoology or junior standing.
- 5) ZOO 421 Principles of Taxonomy 1,3  
Prerequisite: three semesters of zoology including ZOO 214 (314) or equivalent.
- 6) ZOO 441 General (Cellular) Physiology 1,3  
Prerequisite: two semesters of biology, two semesters of physics, and one semester of organic chemistry or any of the above and MIC 201.
- 7) ZOO 463 Animal Ecology 11,3  
Prerequisite: ZOO 262 and MTH 141 or equivalent.
- 8) ZOO 465 Limnology 1,3  
Prerequisite: ZOO 262 and one semester of chemistry.
- 9) ZOO 466 Vertebrate Biology 11,3  
Prerequisite: ZOO 214 (314) or equivalent.

- A. 8. a. 10) Z00 467 Animal Behavior 11,3  
Prerequisite: one semester of zoology and one semester of psychology or permission of instructor.
- 11) Z00 468 Mammalogy 11,3  
Prerequisite: Z00 466 or equivalent.
- 12) Z00 482 Systematic Entomology 11,3  
Prerequisite: Z00 354 or 381
- 13) Z00 395 Seminar in Zoology I and 11,1  
Prerequisite: junior standing and three courses in zoology.
- b. CHANGE: Course hour and prerequisite for Z00 381.
- Z00 381 General Entomology 1.3  
(Lec. 2, Lab. 3) Prerequisite: one semester in biology (or any biologically oriented agriculture course.)
- c. CHANGE: Course number, semester offered and prerequisite for Z00 476 (477).
- Z00 476 (477) Human Genetics 11,3  
Prerequisite: BOT 352 (ASC 352) or equivalent.
- d. CHANGE: Description for BIO 102A.
- BIO 102A General Animal Biology I and 11,3  
Introduction to life processes of animals, including man. Topics examined include biological aspects of inheritance, ecology, behavior, animal survey, and regulation of bio-systems. Laboratory surveys general concepts of animal biology. (Lec. 2, Lab.2) Heppner.
- e. Z00 252X Human Genetics and Society 11,3  
Human heredity and its individual and social implications. (Lec. 3)  
Prerequisite: one semester of biology. Costantino.
- B. College of Business Administration
1. Department of Organizational Management and Industrial Relations
- a. CHANGE: Prerequisite for OMR 423.
- OMR 423 Industrial Relations  
Prerequisite: OMR 303.
- b. CHANGE: Title of OMR 407.
- OMR 407 Organizational Behavior
2. Department of Marketing Management
- MMG 326x Social Issues in Marketing 11,3  
The functioning of the market in an affluent society. The effect of marketing decisions by firms will be placed in the perspective of the collective interest of all participants in society.



C. College of Engineering

EGR 205X Impact of Technology on Society 11,3  
The course is designed to analyze in some depth the past, present and future impact of technology on man's needs, desires, and his way of life. The historical, social, political, economic and moral aspects will be examined; various possibilities of solving societal problems with the aid of technological advances will be considered. Giellise, Kumble and Nason.

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SECTION II

Curricular Matters Submitted to the Faculty Senate for Confirmation:

A. College of Arts and Sciences.

1. Department of Art

CHANGE: Requirements for Art History

On page 33 of 1973-74 Undergraduate Bulletin, delete the section which specified:

"An additional 3 credits must be selected from the following:

Art 265, 266 History of Asian Art  
Art 272 Pre-Columbian Art  
Art 273 African Art"

and substitute the following:

"An additional 3 credits selected from any 200 or 300 level course in Art History."

2. Department of Computer Science and Experimental Statistics.

ADD: EST 491, 492 Problems in Experimental Statistics I and II, 1-3  
Advanced work in experimental statistics. Courses will be conducted as seminars or as supervised individual topics. Prerequisite: permission of department. Staff.

3. Department of Geography

a. ADD:

- 1) GEG 405 Introduction to Synoptic Meteorology and Climatology 1,3  
Theoretical and practical approaches to the forecasting problem.  
(Lec. 3) Prerequisite: GEG 403 or equivalent. Havens.
- 2) GEG 406 Microclimatology 11,3  
The climate near the ground, stressing material appropriate to the backgrounds of the students. (Lec. 3) Prerequisite: GEG 403 or equivalent. In alternate years, next offered 1974-75. Havens.

A. 3. a. (Continued)

- 3) GEG 447 Southeast Asia and Oceania 11,3  
Regional analysis of Southeast Asia and the Pacific Islands. Focus on geographic aspects of the Pacific Ocean basin, physical characteristics, island ecosystems, discovery and exploitation, economic and cultural diversity. (Lec. 3) Prerequisite: One GEG 100-level course or permission of department. In alternate years next offered 1974-75. Krausse.
- 4) GEG 481 History and Philosophy of Geography 1,3  
History of geographic thought from early Greek writings to the present; survey of major contributors and contributions. Major philosophical themes in the recent past and philosophical issues in modern geography. (Lec. 3) Prerequisite: One GEG 100-level course or permission of department. In alternate years, next offered 1975-76. Capelle.
- 5) GEG 482 Quantitative Methods in Geography 1.3  
Introduction to the application of descriptive and inferential statistics in geographic research. The geographer's use of techniques up to and including simple regression and correlation, using examples from geographic journals. (Lec. 3) Prerequisite: EST 220 or preferably EST 408 (or its equivalent) and one GEG 100-level course; permission of the department. In alternate years, next offered 1974-75. Capelle.
- 6) GEG 499 Directed Study I and II, 1-3 ea.  
Individual research and reports on problems of special interest, including honors thesis research. Prerequisite: acceptance of a project by a member of the staff and departmental approval. Not for graduate credit. Staff.

b. CHANGE: Number and level for the following courses:

- 1) GEG 412 to GEG 512 (412)
- 2) GEG 451 to GEG 551 (451)

c. DELETE:

- 1) GEG 407 Selected topics in Meteorology
- 2) GEG 445 Geography of Modernization in Africa
- 3) GEG 463 Geography of World Resources

4. Department of Journalism

a. ADD:

JOR 400 (440) Opinion and Interpretation in Journalism I and II, 3  
Editorial page policy, opinion columns, journals of opinion and alternative media as vehicles for subjective accounts of events. Practice in organizing, researching and writing articles of opinion and interpretation. (Lec. 2, Lab. 2) Prerequisite: JOR 212 and junior standing. Anderson.

A. 4. (Continued)

- b. DELETE: JOR 440 Criticism, Opinion and Interpretation in the Mass Media

5. Department of Microbiology and Biophysics

ADD:

- 1) BPH 403 Introduction to Electron Microscopy 1,2  
Survey of techniques on electron microscopy. Discussion of advantages and limitations. Thin sectioning; negative staining; shadow-casting; freezing-etching; histochemical procedures; autoradiography; darkroom procedures; scanning electron microscopy; interpretation of electron micrographs. (Lec. 2) Prerequisite: permission of department. Fisher and Hufnagel.
- 2) BPH 405 Electron Microscopy Laboratory 1,2  
An introduction to the practical aspects of electron microscopy. Emphasis will be placed on acquisition of the following skills: Tissue preparation, ultramicrotomy, operation of the electron microscope and darkroom procedures. (Lab. 6) Prerequisite: prior or concurrent enrollment in BPH 403. Hufnagel.
- 3) MIC 408 Introduction to Protozoology 11,4  
Survey of all classes of protozoa; concentration on class Ciliophora. Topics will include systematics, evolution, collection and culture, ecology, physiology, genetics, development and structure. Emphasis on recent publications. (Lec. 2, Lab. 6) Prerequisite: 4 courses in biological science. Hufnagel. To be cross-listed with zoology.

6. Department of Zoology

a. ADD:

- 1) BIO 102B General Animal Biology (Special Sections) I and II, 3  
Same lecture as Biology 102A, but laboratories examine specific topics during semester. Topics vary each semester. Previous topics included Marine Biology, Biological Creative Writing, Biology as Art. (Lec. 2, Lab. 2) Zoology staff.
- 2) ZOO 275 Organic Evolution SS, 1, 3  
History of evolutionary thought, the origin of life, the fossil record, natural selection, sources of heritable variation, altruism, process of species formation. (Lec. 3) Prerequisite: One semester of biology. Costantino
- 3) ZOO 475 Causes of Evolution 1, 3  
A mathematical formulation of evolution: epoch of enzymes; genetic equilibrium under selection, mutation, migration and random drift; the n-locus problem; coupling of genetic and ecological systems. (Lec. 3) Prerequisite: One semester of genetics. Costantino.

- b. DELETE: ZOO 471 Evolution

A. 6. c. CHANGE: Requirements for B.S. in Zoology as follows:

"A minimum of 30 credits in zoology is required and must include ZOO ~~314~~ 314, 262, 345, 354, and 395; BOT (or ASC 352). ZOO 111 is not required for a major in zoology but may be applied towards the 30 hours required. Well qualified students should consider more advanced level courses in lieu of ZOO 111. In addition, the student must take BOT 111; CHM 101, 102, or CHM 103, 105; CHM 112, 114, 227, 229, 228, 230; MTH 141, 142; PHY 111, 112, or PHY 213, 285, 214, 286; and a modern language through the intermediate level."

d. CHANGE: Level, number and prerequisites of the following courses:

DELETE

- 1) ~~ZOO 314 to ZOO 214 (314)~~  
~~Prerequisite: one semester of biology.~~
- 2) ZOO 473 to ZOO 373 (473)  
Prerequisite: two semesters in science.

B. College of Business

Department of Organizational Management and Industrial Relations

a. ADD:

OMR 380 Business and Social Responsibility 11,3  
The role of the administrator in our society. A study of the relationship of business and organizations to their environment and their ethical and social responsibilities. Raffaele.

b. CHANGE: Description, semester and restriction for OMR 300.

OMR 300 Personnel Administration I or 11,3  
Methods and techniques for developing and maintaining an efficient work force from the viewpoint of both employer and employee. Covers all the functions of a personnel department including leadership, employee organizations and group behavior. (Lec. 3) Not open to CBA majors; no credit if OMR 303 has been taken. Staff.

c. CHANGE: Title, description and prerequisite of OMR 422.

OMR 422 Labor Relations Law and Legislation, 11,3  
Federal and State Labor Relations statutes and court and agency decisions pertaining to private and public employment, regulations of trade unions, equal opportunity and wage and hour laws. (Lec. 3)  
Prerequisite: OMR 321 or permission of the instructor. Staff.

d. CHANGE: Curriculum requirements by replacing MGS 363 with OMR 407.

C. University Library

Recommendation that the University Library use the code LIB for mini courses offered by the Library Faculty.